

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 28.12.2016

Version number 10

Revision: 28.12.2016

SECTION 1: Identification of the substance/mixture and of the company/undertaking

- 1.1 Product identifier
- Trade name *Servoplan E 600*
- 1.2 Relevant identified uses of the substance or mixture and uses advised against *none*
- Sector of Use *SU21 Consumer uses: Private households / general public / consumers
SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)*
- Application of the substance / the mixture *Floor screed - fast cement*
- 1.3 Details of the supplier of the safety data sheet
- Manufacturer/Supplier: *Kiesel Bauchemie GmbH & Co. KG
Wolf-Hirth-Str. 2

D-73730 Esslingen

Tel.: +49(0)711/93134-0
Fax: +49(0)711/93143-140
E-Mail: sida@kiesel.com*
- Informing department: *Laboratory, departments of environmental protection and labor protection*
- 1.4 Emergency telephone number: *Poison Information Center Freiburg Tel.: +49(0)761/ 19240 (24h German and English)*

SECTION 2: Hazards identification

- 2.1 Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272/2008
- 
GHS05 corrosion
Eye Dam. 1 H318 Causes serious eye damage.
- 
GHS07
Skin Irrit. 2 H315 Causes skin irritation.
- 2.2 Label elements
- Labelling according to Regulation (EC) No 1272/2008 *The product is classified and labelled according to the CLP regulation.*
- Hazard pictograms


GHS05
- Signal word *Danger*
- Hazard-determining components of labelling: *Portland Cement*
- Hazard statements *H315 Causes skin irritation.
H318 Causes serious eye damage.*
- Precautionary statements *P102 Keep out of reach of children.*

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- P260**

Do not breathe dust/fume/gas/mist/vapours/spray.
- P280**

Wear protective gloves/protective clothing/eye protection/face protection.
- P303+P361+P353**

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P305+P351+P338**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P301+P330+P331**

IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
- 2.3 Other hazards**

This mixture does not contain a substance considered to be persistent, bioaccumulative or toxic (PBT) becomes. This mixture does not contain a substance which is considered to be very persistent or very bioaccumulative (vPvB) (If not mentioned in section 3).
- Results of PBT and vPvB assessment**

Not applicable.
- PBT:**

Not applicable.
- vPvB:**

Not applicable.

SECTION 3: Composition/information on ingredients

3.2 Chemical characterisation: Mixtures

Dangerous components:

Calcium Aluminate Cement	⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319	10-<25%
Portland Cement	⚠ Eye Dam. 1, H318 ⚠ Skin Irrit. 2, H315; STOT SE 3, H335	2.5-<10%

Additional information For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

- After inhalation**

Ensure adequate supply of fresh air and seek medical advice as a precaution.
- After skin contact**

Instantly wash with water and soap and rinse thoroughly.
- After eye contact**

Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.
- After swallowing**

The decision whether to provoke vomiting or not is to be taken by a physician.
- 4.2 Most important symptoms and effects, both acute and delayed**

No further relevant information available.
- 4.3 Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

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SECTION 5: Firefighting measures

- 5.1 Extinguishing media
• Suitable extinguishing agents *CO2, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.*
- 5.2 Special hazards arising from the substance or mixture *Formation of toxic gases is possible during heating or in case of fire.*
- 5.3 Advice for firefighters
- Protective equipment: *Wear non-circulation breathing equipment and chemical-protective clothing. Do not inhale explosion gases or fire fumes.*

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures *Avoid causing dust.*
- 6.2 Environmental precautions: *Do not allow product to reach sewage system or water bodies. Inform respective authorities in case product reaches water or sewage system.*
- 6.3 Methods and material for containment and cleaning up: *Collect mechanically.*
- 6.4 Reference to other sections *See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment.
See Section 13 for information on disposal.*

SECTION 7: Handling and storage

- 7.1 Precautions for safe handling *Do not leave the container standing open.
Prevent formation of dust.
Avoid contact with skin and eyes.
Do not breathe dust.
Breathing apparatus only if aerosol or dust is formed.
protected above to humidity*
- Information about protection against explosions and fires: *No special measures required.*
- 7.2 Conditions for safe storage, including any incompatibilities
- Storage
- Requirements to be met by storerooms and containers: *No special requirements.*
- Information about storage in one common storage facility: *Not required.*
- Further information about storage conditions: *Keep container tightly sealed.*
- 7.3 Specific end use(s) *No further relevant information available.*

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SECTION 8: Exposure controls/personal protection

- Additional information about design of technical systems: *No further data; see item 7.*

· 8.1 Control parameters

- Components with critical values that require monitoring at the workplace:

Portland Cement

WEL	Long-term value: 10* 4** mg/m ³ *inhalable dust **respirable dust
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- Additional information: *The lists that were valid during the compilation were used as basis.*

· 8.2 Exposure controls

- Personal protective equipment
- General protective and hygienic measures

*Keep away from foodstuffs, beverages and food.
Instantly remove any soiled and impregnated garments.
Wash hands during breaks and at the end of the work.
Avoid contact with the eyes.*

Avoid contact with the eyes and skin.

- Breathing equipment: *In case of brief exposure or low pollution use breathing filter apparatus.
In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.*

- Protection of hands: *Protective gloves.
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation*

- Material of gloves *PVC or PE gloves*

- Penetration time of glove material *The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.*

- Eye protection: *Safety glasses*

SECTION 9: Physical and chemical properties

- 9.1 Information on basic physical and chemical properties

- Appearance:

Form: Powder

Colour: Dark grey

- Smell: *Odourless*

- Odour threshold: *Not determined.*

- pH-value at 20 °C: *12*

- Change in condition

Melting point/freezing point: 1450 °C

Initial boiling point and boiling range: not apply

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· Flash point:	Not applicable
· Inflammability (solid, gaseous)	Not determined.
· Ignition temperature:	
Decomposition temperature:	Not determined.
· Self-inflammability:	Product is not selfigniting.
· Explosive properties:	Product is not explosive.
· Critical values for explosion:	
Lower:	Not determined.
Upper:	Not determined.
· Steam pressure:	Not applicable.
· Density at 20 °C	1.65 g/cm ³
· Settled apparent density at 20 °C	1350 kg/m ³
· Relative density	Not determined.
· Vapour density	Not applicable.
· Evaporation rate	Not applicable.
· Solubility in / Miscibility with Water:	is setting hydraulically
· Partition coefficient: n-octanol/water:	Not determined.
· Viscosity:	
dynamic:	Not applicable.
kinematic:	Not applicable.
· Solvent content:	
Organic solvents:	0.0 %
Solids content:	100.0 %
· 9.2 Other information	No further relevant information available.

SECTION 10: Stability and reactivity

· 10.1 Reactivity	No further relevant information available.
· 10.3 Possibility of hazardous reactions	No dangerous reactions known
· 10.4 Conditions to avoid	No further relevant information available.
· 10.5 Incompatible materials:	No further relevant information available.
· 10.6 Hazardous decomposition products:	None known.

SECTION 11: Toxicological information

· 11.1 Information on toxicological effects	
· Acute toxicity	Based on available data, the classification criteria are not met.
· Primary irritant effect:	
· Skin corrosion/irritation	Irritation Causes skin irritation.

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| • Serious eye damage/irritation | Causes serious eye damage. |
| • Respiratory or skin sensitisation | Based on available data, the classification criteria are not met. |
| • CMR effects (carcinogenity, mutagenicity and toxicity for reproduction) | |
| • Germ cell mutagenicity | Based on available data, the classification criteria are not met. |
| • Carcinogenicity | Based on available data, the classification criteria are not met. |
| • Reproductive toxicity | Based on available data, the classification criteria are not met. |
| • STOT-single exposure | Based on available data, the classification criteria are not met. |
| • STOT-repeated exposure | Based on available data, the classification criteria are not met. |
| • Aspiration hazard | Based on available data, the classification criteria are not met. |

SECTION 12: Ecological information

- | | |
|--|---|
| • 12.1 Toxicity | |
| • Aquatic toxicity: | No further relevant information available. |
| • 12.2 Persistence and degradability | No further relevant information available. |
| • 12.3 Bioaccumulative potential | No further relevant information available. |
| • 12.4 Mobility in soil | No further relevant information available. |
| • Additional ecological information: | |
| • General notes: | Water hazard class 1 (Self-assessment): slightly hazardous for water.
Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.
Rinse off of bigger amounts into drains or the aquatic environment may lead to increased pH-values. A high pH-value harms aquatic organisms.
In the dilution of the use-level the pH-value is considerably reduced, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous. |
| • 12.5 Results of PBT and vPvB assessment | |
| • PBT: | Not applicable. |
| • vPvB: | Not applicable. |
| • 12.6 Other adverse effects | No further relevant information available. |

SECTION 13: Disposal considerations

- | | |
|---------------------------------------|---|
| • 13.1 Waste treatment methods | |
| • Recommendation | Disposal according to official regulations |
| • further Notes | Mix product residue with water, allow to harden, then dispose as Construction Waste. |
| • Uncleaned packagings: | |
| • Recommendation: | Disposal must be made according to official regulations. |

SECTION 14: Transport information

- | | |
|---------------------------------------|-------------|
| • 14.1 UN-Number | |
| • ADR, ADN, IMDG, IATA | Void |
| • 14.2 UN proper shipping name | |
| • ADR, ADN, IMDG, IATA | Void |

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• 14.3 Transport hazard class(es)	
• ADR, ADN, IMDG, IATA	
• Class	Void
• 14.4 Packing group	
• ADR, IMDG, IATA	Void
• 14.5 Environmental hazards:	
• Marine pollutant:	No
• 14.6 Special precautions for user	Not applicable.
• 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
• Transport/Additional information:	Not classified as dangerous in the meaning of transport regulations.
• UN "Model Regulation":	Void

SECTION 15: Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
 - Directive 2012/18/EU
 - Named dangerous substances - ANNEX I
 - National regulations
 - Information about limitation of use:
 - 15.2 Chemical safety assessment:
- None of the ingredients is listed.
- Employment restrictions concerning young persons must be observed.
Employment restrictions concerning pregnant and lactating women must be observed.
- A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information describes exclusively the safety requirements for the product(s) and is based on the present level of our knowledge. It does not constitute a legal warranty regulations. The delivery specifications are contained in the corresponding product sheet.

- Relevant phrases
 - Department issuing data specification sheet:
 - Abbreviations and acronyms:
- H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
- Health protection and safety
ADR: Accord européen sur le transport des marchandises dangereuses par Route
(European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances

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CAS: Chemical Abstracts Service (division of the American Chemical Society)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

• **Comment**

The information is based on our knowledge we do have so far. However it is not a confirmation of product features and does not establish contractual legal relationship. Use, operation and processing are the responsibility of the customer.

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